Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

SECRET

23 MAY 1963

MEMORANDUM FOR: Deputy Director (Research)

ATTENTION: [redacted] 25X1

THROUGH: Deputy Director (Intelligence)

SUBJECT: Requirements for Project [redacted] 25X1

1. At the request of your office, this memorandum submits for consideration under Project [redacted] and related projects a) suggested targets in Communist China of special interest to OER and b) our thoughts regarding possible ways of improving collection by sensory means. Particular attention has been given to identifying priority targets against which OER needs have to date not been satisfied by other collection methods. For targeting purposes, requests have been limited to installations within 1000 miles of the China coast. Requirements are divided into priority needs and targets of opportunity from which information is desired if higher priorities do not conflict. 25X1

2. Priority Targets

a. Chinese Guided Missiles

Additional detailed data is urgently needed on the status and activity of the Chang-hsin-tien Liquid Rocket Test Facility (CHTF), a static test facility, about 13 mi west-southwest of Peiping at 39-50-45N 116-06-20E (OSAKA Target CHTF). Requirements and suggested techniques are discussed in Annex A. In addition to close-up, low light photography and [redacted] which could satisfy a number of immediate needs, the techniques discussed in the Annex include [redacted] for which collection techniques may have to be developed. This target is believed to be a major installation and merits close inspection in order to support intelligence research on the present status of the guided missile program of Communist China. At the present time this is the only known missile installation within range, which OER believes to warrant consideration for priority collection by means of sensors adaptable to the [redacted] system. 25X1 25X1 25X1

25X1

SECRET

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

b. Chinese Nuclear Weapons Program

25X1 [redacted]

3. Targets of Opportunity

a. Petroleum Refineries

Intelligence on the production of petroleum and petroleum products in Communist China is an important indicator of Chinese economic activity and military capability, although not a first priority target. The need for intelligence on this subject is not now adequately met by available sources. Collection against the Communist Chinese petroleum refineries to the extent feasible by operational opportunities is therefore desired. It is suggested 25X1 [redacted] be employed against these installations to determine their [redacted] and to test the 25X1 feasibility of employing similar techniques against other industrial activities which [redacted] Attached as Annex B 25X1 is a list of nine such plants believed to be within range.

b. Unidentified Industrial Installations

Intensive exploitation [redacted] of Communist China has developed requirements for further collection against the industrial installations enumerated in Annex C. In general, additional collection is desired because exploitation of the 25X1 [redacted] has failed to result in a positive identification of the activity in which these plants are engaged. A need exists to determine whether these plants are involved in sensitive priority activities or in routine manufacturing operations. It is believed 25X1 [redacted] of any or all of these plants, as targets of opportunity, should be considered, in order to identify their activity.

c. COMINT Collection

A requirement for COMINT collection is submitted in Annex D.

4. Requirements for Special Sensors

25X1 [redacted]

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

SECRET

25X1

[redacted]

[redacted]

25X1

[redacted]

25X1

OTTO E. GUTHE
Assistant Director
Research and Reports

Attachments:
Annexes A, B, C, and D.

Distribution:
Orig & 2 - Addressee
2 - RD/I
1 - RD/I Action Staff, Reconnaissance Division
1 - OAD/RR
1 - D/MS Chrono
1 - D/M

- 3 -

25X1

ORR/D/MS [redacted] :nwm/5201 (23 May 63)

SECRET

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

ANNEX A

Analysis of Chang-hsin-tien Liquid Rocket Test Facility as a Target for Technical Collection

1. Target Description

25X1

[redacted] August 1962 revealed a large liquid rocket test facility under construction about 13 km west-southwest of Peiping at 39-50-45N 116-08-20E. The facility includes at least three large vertical liquid static test stands similar in size and configuration to stands in the USSR. Two of the stands appear to be complete while the third is in a late stage of construction. The operational status of the stands cannot be determined.

The Chang-hsin-tien Liquid Rocket Test Facility (CLRTF) is a major facility, most likely the only static test facility in Communist China for large liquid rockets. Any large rocket engine developed in Communist China will most probably be tested here as much as two years before appearing at a missile test range for R & D launchings. Thus, a knowledge of the activities at the CLRTF could permit an identification of Communist Chinese strategic missile systems before they reach the flight test stage of development. In the formative years of a native Chinese missile program, the facility will also probably serve as the main facility for production tests after the missile system enters series production.

2. Intelligence Requirements

The intelligence requirement, in general, is to determine the nature, level, and timing of activity at the Chang-hsin-tien facility. More

25X1

specifically this requirement breaks down into the following:

[redacted]

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

25X1

[redacted]

3. Applicable Collection Techniques 25X1

A number of collection techniques [redacted] offer promise of providing significant information on the Cheng-hsin-tien facility. The following matrix summarizes the intelligence requirements to which each of the various collection techniques could be applied.

25X1

[redacted]

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

Page Denied

Next 1 Page(s) In Document Denied

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

ANNEX B

Selected Communist Chinese Petroleum Plants

	Location and Plant Name	Coordinates
1.	Shanghai Refinery - Gough Island Area (Lighted Area)	31-20-09N 121-33-15E
2.	TaLien Refinery (Dairen) - (Lighted Area)	38-58-12N 121-39-17E
3.	Lien Shan Refinery (Chin-hsi)	40-44-18N 120-49-58E
4.	Fu Shun Shale Oil Plant West	41-51-03N 123-52-33E
5.	Fu Shun Shale Oil Plant East	41-50-05N 124-02-40E
6.	Chin-Chou Synthetic Fuels Plant	41-08-03N 121-05-55E
7.	Anta-Shan Refinery	46-35N 123-00E
8.	Hua-tien Shale Oil Plant	42-58N 126-49E
9.	Mao-Ming Shale Oil Plant	21-55N 110-58E

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

ANNEX C

Unidentified Industrial Installations

1. **Hulutao - Unidentified Machine Building Plant**

In port area -- not far from missile facility -- includes unique high bay building superficially similar to vertical assembly buildings at Cape Canaveral. 40-43N 121-00E; [redacted] 25X1

2. **Pao-t'ou - Probable Tank Plant and Adjacent Unidentified Heavy Industry Plant**

Probable tank plant with adjacent test track; separated on the north by power plant from second, unidentified heavy industrial plant, also with nearby test track; 40-36N 110-01E; [redacted] 25X1

3. **Haiang-tan - Unidentified Secure Machine Building Plant**

12 buildings over 200 feet long -- largest 625' x 255' -- rail served -- security wall. 27-51N 112-54E; [redacted] 25X1

4. **Lo-yang - Possible Non-Ferrous Rolling Mill**

West of town -- probably near completion in early 1962 -- present status unclear. 34-41N 112-28E; [redacted] 25X1

5. **Cheng-chou - Unidentified Machine Building Plant**

Four major buildings 1000' x 330', 825' x 300', 850' x 270', and 550' x 350'. 34-45N 113-40E; [redacted] 25X1

6. **Cheng-chou - Possible Abrasive and Grinding Wheel Plant**

Main building 930' x 660' -- heating plant -- foundry and own sub-station. 34-45N 113-40E; [redacted] 25X1

7. **Nanking - New Machinery Plant**

In southern part of city just northeast of airport -- has nine large buildings. 32-03N 118-47E; [redacted] 25X1

SECRET

E.O. 1
Excluded from automatic downgrading and declassification

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9

TOP SECRET
SECRET

CENTRAL INTELLIGENCE AGENCY
CODEWORD ROUTING SHEET

TO		INITIALS	DATE
1	OAD/RR file copy		
2			
3			
4			
5			
6			
FROM		INITIALS	DATE
1			
2			
3			

NSA Declassification/Release Instructions on File

_____Approval _____Information _____Signature

_____Action _____Direct Reply _____Return

_____Comment _____Preparation of Reply _____Dispatch

_____Concurrence _____Recommendation _____File

REMARKS: This memorandum may be used in SECRET channels when the codeword routing slip and Annex D are removed.

GROUP 1
Excluded from automatic downgrading and declassification

APPENDED DOCUMENT CONTAINS CODEWORD MATERIAL

Appended document contains classified information within the meaning of Section 798, Title 18, United States Code.

TOP SECRET
SECRET

Approved For Release 2007/03/08 : CIA-RDP70T00666R000100160018-9